

Branislav S RepiÄ

List of Publications by Year in descending order

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times ranked

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Experimental investigation of role of steam in entrained flow coal gasification. <i>Fuel</i> , 2007, 86, 194-202. | 6.4 | 56 |
| 2 | The boiler concept for combustion of large soya straw bales. <i>Energy</i> , 2009, 34, 715-723. | 8.8 | 26 |
| 3 | Mapping the potential for decentralized energy generation based on RES in Western Balkans. <i>Thermal Science</i> , 2007, 11, 7-26. | 1.1 | 21 |
| 4 | Furnace for biomass combustion – Comparison of model with experimental data. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 4312-4317. | 4.8 | 15 |
| 5 | Investigation of the cigar burner combustion system for baled biomass. <i>Biomass and Bioenergy</i> , 2013, 58, 10-19. | 5.7 | 14 |
| 6 | The combustion of biomass - the impact of its types and combustion technologies on the emission of nitrogen oxide. <i>Hemijska Industrija</i> , 2016, 70, 287-298. | 0.7 | 14 |
| 7 | Influence of biomass furnace volume change on flue gases burn out process. <i>Renewable Energy</i> , 2015, 76, 1-6. | 8.9 | 13 |
| 8 | Experimental method for determining Forchheimer equation coefficients related to flow of air through the bales of soy straw. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 4300-4306. | 4.8 | 11 |
| 9 | Soya straw bales combustion in high-efficient boiler. <i>Thermal Science</i> , 2008, 12, 51-60. | 1.1 | 11 |
| 10 | Development of the boiler for combustion of agricultural biomass by products. <i>Thermal Science</i> , 2010, 14, 707-714. | 1.1 | 11 |
| 11 | Combustion of low grade fractions of Lubnica coal in fluidized bed. <i>Thermal Science</i> , 2012, 16, 297-311. | 1.1 | 5 |
| 12 | Experimental determination thermo physical characteristics of balled biomass. <i>Energy</i> , 2012, 45, 350-357. | 8.8 | 5 |
| 13 | Determination of thermal conductivity of baled agricultural biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 876-884. | 16.4 | 3 |
| 14 | Experimental and numerical study on combustion of baled biomass in cigar burners and effects of flue gas re-circulation. <i>Thermal Science</i> , 2016, 20, 151-165. | 1.1 | 3 |
| 15 | Investigation of ash deposit formation on heat transfer surfaces of boilers using coals and biomass. <i>Thermal Science</i> , 2019, 23, 1575-1586. | 1.1 | 3 |
| 16 | Influence of furnace combustion conditions on NOx emission from lignite flames. <i>Journal of Hazardous Materials</i> , 1994, 37, 225-232. | 12.4 | 2 |
| 17 | Development of a Boiler for Small Straw Bales Combustion. , 2010, , . | | 2 |
| 18 | Analysis of prescribed limits of NOx emissions from biomass combustion in selected European countries and in Serbia. <i>Savremena Poljoprivredna Tehnika</i> , 2016, 42, 207-215. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Eksperimentalna aparatura za simulaciju sagorevanja biomase i kontrolu azotnih oksida. Procesna Tehnika, 2017, 30, 175. | 0.3 | 2 |
| 20 | Review of the investigations of pulverized coal combustion processes in large power plants in laboratory for thermal engineering and energy: Part A. Thermal Science, 2019, 23, 1587-1609. | 1.1 | 2 |
| 21 | Experimental Determination of the Swirl Burner Laboratory Models Hydraulic Resistance. Procedia Engineering, 2012, 42, 672-682. | 1.2 | 1 |
| 22 | Optimization of furnace for agricultural biomass combustion in order to increase energy efficiency and reducing environmental pollution. Savremena Poljoprivredna Tehnika, 2016, 42, 187-196. | 0.2 | 1 |
| 23 | Analysis criteria for the assessment of deposits formation on boilers heat surfaces during biomass combustion. Savremena Poljoprivredna Tehnika, 2018, 44, 1-10. | 0.2 | 1 |
| 24 | Development of a high-speed spectrophotometer for transient measurement of pulverized-coal flame radiation emission. Experimental Thermal and Fluid Science, 1991, 4, 747-750. | 2.7 | 0 |
| 25 | Potential of utilizing agricultural biomass for energy purposes within public-private partnerships. , 2016, , . | | 0 |
| 26 | Results of combustion of different waste fuel in fluidized bed. ReciklaÅ¾a I OdrÅ¾ivi Razvoj, 2014, 7, 22-29. | 0.5 | 0 |
| 27 | Fluidized combustion chamber CFD simulation based on Euler-Euler granular flow model. Termotehnika, 2014, 40, 19-33. | 0.0 | 0 |
| 28 | Technical and economical justified replacement of existing crude oilboiler with new biomass boiler in central heating system. Savremena Poljoprivredna Tehnika, 2015, 41, 189-196. | 0.2 | 0 |
| 29 | Analysis of construction CHP biomass plants in the chemical industry. Savremena Poljoprivredna Tehnika, 2015, 41, 205-212. | 0.2 | 0 |
| 30 | Effects of types of fuels on thermo-physical properties of baled biomass. Savremena Poljoprivredna Tehnika, 2016, 42, 197-206. | 0.2 | 0 |
| 31 | Analysis of potassium content in inert material of fluidized bed during biomass combustion. Savremena Poljoprivredna Tehnika, 2016, 42, 217-223. | 0.2 | 0 |
| 32 | Analysis and selection of methodology for determination of the agricultural biomass combustion kinetics. Savremena Poljoprivredna Tehnika, 2017, 43, 131-140. | 0.2 | 0 |
| 33 | Analysis of the influence of fuel types and burners characteristics on pulverised biomass combustion. Savremena Poljoprivredna Tehnika, 2017, 43, 35-44. | 0.2 | 0 |
| 34 | Identification of PASs in agricultural biomass ash by GC/MS. Savremena Poljoprivredna Tehnika, 2017, 43, 91-100. | 0.2 | 0 |
| 35 | Possibility of non catalytic reduction of NOx by ammonia at baled biomass combustion in pushing furnace. Savremena Poljoprivredna Tehnika, 2017, 43, 101-110. | 0.2 | 0 |
| 36 | ProraÄun i dimenzionisanje vrtloÅ¾nih gorionika koriÅŹenjem namenskog softvera. Procesna Tehnika, 2017, 30, 357. | 0.3 | 0 |

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|----|--|-----|-----------|
| 37 | 2D CFD numeriÄka simulacija fluidizacije komore sagorevanja bazirane na Euler-Euler granularnom modelu. Procesna Tehnika, 2017, 30, 277. | 0.3 | 0 |
| 38 | Investigation of biomass gasification in an experimental reactor with a fluidized bed. Savremena Poljoprivredna Tehnika, 2018, 44, 21-28. | 0.2 | 0 |
| 39 | Qualitative and quantitative analysis of PAHs in biomass ash by LC/DAD. Savremena Poljoprivredna Tehnika, 2018, 44, 29-36. | 0.2 | 0 |
| 40 | Analysis of the influence of fuel characteristics and temperature conditions on the emission of harmful products of biomass combustion. Savremena Poljoprivredna Tehnika, 2018, 44, 11-20. | 0.2 | 0 |
| 41 | Review of the investigations of pulverized coal combustion processes in large power plants in laboratory for thermal engineering and energy: Part B. Thermal Science, 2019, 23, 1611-1626. | 1.1 | 0 |
| 42 | Modeling of transport processes in the cigarette principle combustion furnace. Thermal Science, 2019, 23, 1499-1510. | 1.1 | 0 |